

Passaic County, New Jersey

USRHVB—Urban land-Riverhead complex, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 1jsq4

Mean annual precipitation: 30 to 64 inches

Mean annual air temperature: 46 to 79 degrees F

Frost-free period: 131 to 178 days

Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 60 percent

Riverhead and similar soils: 40 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landform: Outwash fans

Landform position (three-dimensional): Base slope, tread

Down-slope shape: Linear, concave

Across-slope shape: Linear

Parent material: Surface covered by pavement, concrete, buildings, and other structures underlain by disturbed and natural soil material

Typical profile

C - 0 to 60 inches: variable

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Description of Riverhead

Setting

Landform: Outwash fans

Landform position (three-dimensional): Base slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Glaciofluvial deposits derived from granite and gneiss

Typical profile

A - 0 to 10 inches: sandy loam

Bw - 10 to 26 inches: gravelly sandy loam

BC - 26 to 36 inches: gravelly sandy loam

C - 36 to 60 inches: gravelly sand

Properties and qualities

Slope: 3 to 8 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): High (2.00
to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: B

Data Source Information

Soil Survey Area: Passaic County, New Jersey

Survey Area Data: Version 9, Sep 24, 2014